TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT (Under 37 CFR 1.97(b) or 1.97(c))	Docket No. 50139-00001

In Re Application Of: MAYOR, et al.

Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.
10/804,863	March 19, 2004	Not Yet Assigned	25231	3662	7656

Title:

HIGH PULSE-ENERGY, EYE-SAFE LIDAR SYSTEM

Address to:

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

37 CFR 1.97(b)

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

37 CFR 1.97(c)

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:

   ☐ the statement specified in 37 CFR 1.97(e);

   OR

   ☐ the fee set forth in 37 CFR 1.17(p).

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JUN 06 2005
PATENT & TRADEMARK OFFICE

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Payment of Fee

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of is attached.
- ☐ The Director is hereby authorized to charge and credit Deposit Account No. as described below.
  - ☐ Charge the amount of
  - ☐ Credit any overpayment.
  - ☐ Charge any additional fee required.
- ☐ Payment by credit card. Form PTO-2038 is attached.

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Kent A. Fischmann

Signature

Dated: June 2, 2005

Kent A. Fischmann, Esq.
Registration No. 35,511
MARSH FISCHMANN & BREYFOGLE LLP
3151 South Vaughn Way, Suite 411
Aurora, Colorado 80014
(720)562-5501

cc:

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of:	Group Art Unit: 3662
MAYOR, et al.	Examiner: Not Yet Assigned
Serial No.: 10/804,863	INFORMATION DISCLOSURE STATEMENT
Filed: March 19, 2004	
Confirmation No.: 7656	
Atty. File No.: 50139-00001	
For: "HIGH PULSE-ENERGY, EYE-SAFE LIDAR SYSTEM"	

CERTIFICATE OF MAILING

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450 ON June 2, 2005.

MARSH FISCHMANN & BREYFOGLE LLP

BY: Bobbye D. Simon

Bobbye D. Simon

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to Applicant's duty of disclosure under 37 CFR § 1.56 and 37 CFR §§ 1.97-1.98, Applicant hereby provides a copy of each of the documents identified on the enclosed PTO Form 1449, although Applicant does not admit that any of such documents, alone or in any combination, is considered to be material to patentability as defined in 37 CFR § 1.56(b). Moreover, the inclusion of these documents is not to be construed as an admission by Applicant that each such document is prior art as to the above-identified application.

Respectfully submitted,

MARSH FISCHMANN & BREYFOGLE LLP

By: Kent A Fischmann

Kent A. Fischmann, Esq.
Registration No. 35,511
3151 South Vaughn Way, Suite 411
Aurora, Colorado 80014
(720)562-5501

Date: June 3, 2005

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY DOCKET NO.	SERIAL NO.
50139-00001	10/804,863
FILING	GROUP
March 19, 2004	3662

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5,241,315	08/31/1993	Spinhirne	342	54	
		2003/0016350	01/23/2003	Cheng, et al.	356	301	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

			Paper entitled "Counterproliferation Long Range Biological Standoff Detection System" limited distribution, U.S. Army Soldier and Biological Chemical Command, Aberdeen Proving Ground, MD, Rev. 04-26-00.
			News Release, Contract No. 283-95, Office of Assistant Secretary of Defense (Public Affairs), Washington, D.C., May 23, 1995. http://www.defenselink.mil/news/May1995/c052395_ct283-95.h

EXAMINER	DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

			Paper reprinted from the Proceedings of the International Conference on LASERS '97entitled "Generation of 1.54 μm Radiation With Application To An Eye-Safe Laser Lidar" authored by N. A. Kurnit, R. F. Harrison, R. R. Karl, Jr., J. P. Brucker, J. Busse, W. K. Grace, O. G. Peterson and W. Baird of the Los Alamos National Laboratory, Los Alamo, NM, and W. S. Hungate of the U.S. Army CBDCOM, Aberdeen Proving Ground, MD., pages 608-610.
			Datasheet titled "C30659E-900-1060-1550 nm Series Silicon and InGaAs APD Preamplifier Modules", www.perkinelmer.com/optoelectronics, Pgs. 1-9.

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50139-00001	10/804,863
Applicant(s)	
MAYOR, et al.	
Filing Date	**Group Art Unit**
March 19, 2004	3662

*EXAMINER INITIAL		OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*
		Paper entitled "M-Squared Laser Beam and Telescope Overlap Factors for a 1.55 micron KTP OPO Lidar", by Priyavadan Mamidipudi and Dennis Killinger, Dept. of Physics, Univ. of So. Fla., Tampa, Florida, pgs. 837-840.
		Paper entitled "Optimal Detector Selection for a 1.5 micron KTP OPO Atmospheric Lidar", by Priyavadan Mamidipudi and Dennis Killinger, Univ. of So. Fla., Tampa, Florida, part of the SPIE Conference on Laser Radar Technology and Applications IV, Orlando, Florida, April, 1999 [SPIE Vol. 3707 - 0277-786X/99], pgs. 327-335.
		Paper entitled "High-Energy, Eyesafe Lidar for Long-Range, High-Resolution Aerosol Detection [NASA Langley Phase II SBIR, Contract NAS1-20476], pgs. 1-5, 3/8/02.
		Paper entitled "Boundary Layer Height Measurements with an Eyesafe LIDAR", by G. G. Gimmestad, E. M. Patterson, D. W. Roberts and S. C. Gimmestad, Electro-optics, Environment and Materials Laboratory, Georgia Tech Research Institute, Georgia Institute of Technology, Atlanta, Georgia, SPIE Vol. 2112, pgs. 187-193.
		Article entitled "A Powerful Eyesafe Infrared Aerosol LIDAR: Application of Stimulated Raman Backscattering of 1.06 μm radiation", W. Carmuth and T. Tricki, Rev. Sci. Instrum. 65 (11), November 1994, copyright 1994 American Institute of Physics.
		Applied Optics, Vol. 28, No. 23, 1 December 1989, pgs. 4978-4981, article "Initial Measurements using a 1.54- μm Eyesafe Raman Shited Lidar", Edward M. Patterson, David W. Roberts nd Gary G. Gimmestad, Georgia Institute of Technology, Atlanta, Georgia.
		Paper entitled "Compact, Ruggedized Eyesafe Laser Transmitter", J. C. McCarthy, P. A. Ketteridge, R. Day, Ian Lee and Evan Chicklis, pgs. 617, 618.
		Lidar Remote Sensing for Industry and Environment Monitoring II, Upendra N. Singh, Editor. Proceedings of SPIE Vol. 4484 (2002) copyright SPIE: "Design Validation of an Eye-Safe Scanning Aerosol Lidar with the Center for Lidar and Atmospheric Sciences Students (CLASS) AT Hampton University", by Dale A. Richter, N. Scott Higdon, Patrick Ponsardin and David Sanchez, Itt Industries, Albuquerque, NM and Thomas H. Chyba, Doyle A. Temple, Wei Gong, Russell Battle, Mika Edmondson, Anne Futrell, David Harper, Lincoln Haughton, Demetra Johnson, Kyle Lewis and Renee S. Payne-Baggott, Center for Lidar and Atmospheric Sciences Students, Hampton University, Hampton, VA.
		Applied Optics, 20 May 1997, Vol. 36, No. 15: "Aerosol and cloud backscatter at 1.06, 1.54, and 0.53 μm by airborne hard-target-calibrated Nd:YAG/methane Raman lidar", by James D. Spinhirne, S. Chudamani, John F. Cavanaugh and Jack L. Bufton, pgs. 3475-3490, copyright 1997 Optical Society of America.
		Optical Engineering, Vol. 35 No. 12, December 1996, pgs. 3579-3584: "Comparison of Raman and degenerated optical parametric oscillators for a high-energy and high-repetition-rate eye-safe laser", by Gilles Roy and Pierre Mathieu.
		"Atmospheric Laser Radar Measurements Using Two Novel, Eye-Safe Infrared Optical arametric Oscillators", a dissertation submitted by Sarah Rhodes Harrell, December 1995, Departments of Physics and Electrical Engineering, University of South Florida.

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*EXAMINER INITIAL		OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*
		Report entitled "Final Report on High-Energy, Eyesafe Lidar for Long-Range, High-Resolution Aerosol Detection." Prepared for NASA Langley Research Center, Hampton, VA. Contract: NAS1-20476 (Phase II SBIR). Reporting Period: 22 March 1995 - 31 December 1997. Report prepared by: Schwartz Electro-Optics, Inc., Research Division, Bedford MA.

EXAMINER	DATE CONSIDERED

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